ಸಂ.ಸಿ.ಇ/ಬೆ.ಪ್ರ.ವಿ/ಎಂ.ಬಿ/ಕ್ರ.ಸಂ.3552/2017-18.

ಈ ಪುಸ್ತಕವು ಕ್ರಮ ಸಂಖ್ಯೆ 355101 ರಿಂದ 355200, ಒಟ್ಟು ನೂರು ಪುಟಗಳನ್ನು ಹೊಂದಿದೆ.

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

22/4

22/4/17

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355101

Serial No. 1st & Final Bill

Name of Work Improvements to Roads and drains at Ambedkar colony Main road Dasarahalli in ward NO.06, Byatarayanapura Sub division

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Contractor : Sri. V. Chandrappa Work Code : 006-15-000026 Work Order : EE/H/BTP/WO/21/2016-17 Estimate Cost Rs : 40.00 Lakhs. Date of Completion :						Date: 30/04/2016
IVNo. 01.	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary line and electrical conduits either in pits or in trenches						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1.5m and above in width, in depth including dressing the sides and trenches, stacking the excavation with lead upto 50m, as per specifications. Qty vide Page NO..	355161		Hard bottom and	Soil not exceeding 1.0m, of pits	445.89 Cum	
		@Rs268.17/-				Rs	119548.00 / 119574-
IN0. 02.	Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement at 180kgs, with 40mm size graded granite metal coarse aggregate and fine aggregate @ 0.57cum machine mixed Concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of					@ 0.892 cum and	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	machinery, curing Co... Qty vide Page NO.
IN0. 03.	Providing and constru... in foundation with ... courses not less tha... each Course inclu... as per specificatio... Qty vide Page NO.

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
aid Soil not exceeding 1.5m, bottom and sides of pits d soil clear from edges of ter breaking of clods complete			
of TMB		445.89 Cum	
. . . . .		. . . Rs 119548.00	
		119574-	
n Cement Concrete of mix gs, with 40mm and down regates @ 0.892 cum and ixed Concrete laid in ded compacted, in foundation aterials, labour, Hire of			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355102

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Machinery, curing complete as per specifications Qty vide Page NO.	355162			of TMB	85.38	Cum
		@Rs 4715.66/-				. . . Rs	402623.00
INO.							
03.	Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications						
	Qty vide Page NO.	355162/2			of THB	17.55	Cum
		@Rs 3845.85/-				. . . Rs	67495.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
INO. 04.	Providing and constructing granite/trap/basalt Size Stone masonry in basement with Cement mortar 1:6, edges of Stones chisle dressed in courses not less than 15cms high bond Stones at two m. apart in each course including cost of materials. labour, curing complete as per specification. Qty vide Page NO. .	355162/2			of TMB	14.63	Sqm
	@Rs 4561.98/-					Rs	66742.00
INO. 05.	Providing and removing centering, Shuttering, Strutting, propping etc. and removal of form work for sides and soffits of beams, beam haunchings, Cantelever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour, Complete as per specifications.						

M. A.
Mea

erial No. .....
ame of Work ..... From
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Qty vide Page NO. .	355
		@Rs
INO. 09.	Providing T.M.T steel reinf cutting, bending, hooking, pl wherever required, tying adjoining members wherever materials, labour, Hoist of m	
	Qty vide Page No. .	355
		@Rs

NT BOOK

ensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
/ trap / basalt size stone masonry			
tar 1:6, edges of			stones chisile
15cms high bond			stones at
including cost of			materials.
specifications			
of TMB		14.63	Sqm
. . . . .		Rs	66742.00
shuttering, strutting, propping etc.,			
sides and soffits of beams,			
ers, breastsummers and lintels			
ing cost of all materials,			
ons.			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355103

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide Page No. .	355163/2		of	TMB	1387.05	Sqm
		@ Rs 251.1/-				Rs	348288.00
ENo.							
09.	Providing T.M.T steel reinforcement for R.c.c work including straightening,						
	cutting, bending, hooking, placing in position, lapping and / or welding						
	wherever required, tying with binding wire and anchoring to the						
	adjoining members wherever necessary Complete as per design cost of						
	materials, labour, Hire of machinery Complete as per Specifications						
	Qty vide Page No. .	355164/2		of	TMB	12.31	Qtl
		@ Rs 64919.39/-				Rs	799158.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
IAO. 06.	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220Kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.84cum and fine aggregates @ 0.56cum machine mixed, Concrete laid in layers not Exceeding 15cms, thick well Compacted, in foundation and plinth, including cost of all materials, labour, Hire of machinery, curing complete as per specifications.						
	culvert long C1	2	6.80	0.50	0.10	0.68	
		1	6.80	0.60	0.15	0.61	
	C2	2	6.50	0.50	0.10	0.65	
		1	6.50	0.60	0.15	0.59	
	SSM drain	2	19.90	0.50	0.10	1.99	
		1	19.90	0.60	0.12	1.43	
					Total	5.95	
				Qty red to		5.85 cum	
		@Rs	5107.37/-	...	...	... Rs	29878.00

M. A
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erial No. .....
ame of Work ..... Fro
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
IAO. 07.	Providing flush pointing to 1:3, 20 mm deep, after rak including cost of materials	
	culvert C1	2
	C2	2
	drain	2
		@Rs
IAO. 08.	Providing and laying in Po	

OK

Depth 6	Contents 7	Reference to last Measurement 8
ent	Concrete of mix 1:3:6	
and	down size graded	
cum	and fine aggregates	
d in	layers not Exceeding	
tion and plinth, including		
chinery, curing complete		
0.10	0.68	
0.15	0.61	
0.10	0.65	
0.15	0.59	
0.10	1.99	
0.12	1.43	
Total	5.95	
to	5.85 cum	
	Rs 29878.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355104

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
INo 07.	Providing flush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely finishing including cost of materials, labour, curing complete as per specifications.						
	culvert C1	2	6.80		0.45	6.12	
	C2	2	6.50		0.45	5.85	
	drain	2	19.90		0.60	23.88	
					Total	35.85	
				Qty ltd to		32.50	Sqm
						@Rs 92.41/- ..... Rs	3003.00
INo. 08.	Providing and laying in Position Plain Cement Concrete of mix M20 with						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	OPC Cement @ 320Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.459cum with Superplasticiser @ 0.878cum and fine aggregate etc., including attached plasters columns, piers, abutments, pillars, posts, struts, buttresses, string & laying courses, parapets, coping bed blocks, anchor blocks, Plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications.						
	Ambedkar colonies						
	bottom slab						
	1st main LHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	3.50	0.90	0.15	0.47	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	20.00	0.90	0.15	2.70	
		1	12.70	0.90	0.15	1.71	
	RHS	1	30.00	0.90	0.15	4.05	
		1	11.70	0.90	0.15	1.58	

M. A. F
Meas

erial No. .....
ame of Work ..... From..
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Number
	2	3
		1
		1
		1
		1
		1
		1
		1
		1
	Cross road	1
		1
		1
	Side coale	2
		2
		2
		2
		2

NT BOOK

mensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		mon and down leg graded @ 0.878cum and fine aggregate etc., including attached plasters, posts, struts, buttresses, string bed blocks, anchor blocks, including cost of all materials, complete as per specifications.	
0.90	0.15	4.05	
0.90	0.15	4.05	
0.90	0.15	4.05	
0.90	0.15	4.05	
0.90	0.15	0.47	
0.90	0.15	4.05	
0.90	0.15	4.05	
0.90	0.15	2.70	
0.90	0.15	1.71	
0.90	0.15	4.05	
0.90	0.15	1.58	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355105

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
		1	30.00	0.90	0.15	4.05	
		1	18.60	0.90	0.15	2.51	
		1	30.00	0.90	0.15	4.05	
		1	3.50	0.90	0.15	0.47	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	20.00	0.90	0.15	2.70	
		1	12.70	0.90	0.15	1.71	
	Cross road	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	28.70	0.90	0.15	3.87	
	Side scale	2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.60	5.40	
		2	3.50	0.15	0.60	0.63	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.60	5.40	
		2	20.00	0.15	0.60	3.60	
		2	12.70	0.15	0.60	2.29	
		2	30.00	0.15	0.60	5.40	
		2	11.70	0.15	0.60	2.11	
		2	30.00	0.15	0.60	5.40	
		2	18.60	0.15	0.60	3.35	
		2	30.00	0.15	0.60	5.40	
		2	3.50	0.15	0.60	0.63	
		2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.60	5.40	
		2	20.00	0.15	0.60	3.60	
		2	12.70	0.15	0.60	2.29	
		2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.60	5.40	
		2	28.70	0.15	0.60	5.17	
					Total	164.24	
				Qty Add to		164.07 Cum	
		@Rs 5764.25/-				Rs 945740.00	

M. A. R
Meas

erial No. .....
ame of Work ..... From...
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Number
	2	3
INO. 10.	Precast Slab 20mm and down machine mixed Concrete laid compacted cost of all materi as specifications Ambedkar Colony 1st main LHS	1 1 1 1 1 1 1 1 1 1 1 1 1
	RHS	

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0.15	0.60	5.40	
0.15	0.60	5.40	
0.15	0.60	3.60	
0.15	0.60	2.29	
0.15	0.60	5.40	
0.15	0.60	2.11	
0.15	0.60	5.40	
0.15	0.60	3.35	
0.15	0.60	5.40	
0.15	0.60	0.63	
0.15	0.60	5.40	
0.15	0.60	5.40	
0.15	0.60	3.60	
0.15	0.60	2.29	
0.15	0.60	5.40	
0.15	0.60	5.40	
0.15	0.60	5.17	
	Total	164.24	
Qty Add to		164.07	Cents
		Rs	945740.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355106

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	INO.						
	10. Precast Slab 20mm and machine mixed Concrete laid in layers not Exceeding 15cms thick well compacted cost of all as Specifications	down Size for Slab including centring and shuttering materials labour HOM of machineries curing complete					
	Ambedkar colony						
	1st main LHS	1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	3.50	0.90		3.15	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	20.00	0.90		18.00	
		1	12.70	0.90		11.43	
	RHS	1	30.00	0.90		27.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C & FC 15/11/2018 Cross road Cross road-2 LHS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.70 30.00 18.60 30.00 3.50 30.00 30.00 20.00 12.70 30.00 28.70 30.00 36.00 22.70	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.75 0.75 0.75		10.53 27.00 16.74 27.00 3.15 27.00 27.00 18.00 11.43 27.00 25.83 22.50 22.50 17.03	
	@ Rs 1726.71/-				Total Qty ltd to	504.29 504.00 Rs	Sqm 870257.00

M. A. R
Meas

erial No. .....
ame of Work ..... From..
ame of Contractor of nature of Agency .....
ate of commencement of work .....

ate	Full description, etc, of work	Number
	2	3
TWO 11.	Lead for Disposal of Debris Mechanical means including Qty taken @ Rs 6	

IT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0.90		10.53	
0.90		27.00	
0.90		16.74	
0.90		27.00	
0.90		3.15	
0.90		27.00	
0.90		27.00	
0.90		18.00	
0.90		11.43	
0.90		27.00	
0.90		25.83	
0.75		22.50	
0.75		22.50	
0.75		17.03	
	Total	504.29	
Qty ltd to		504.00	Cum
		Rs	870857.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355107

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
TWO 11.	Lead for Disposal of Debries shall be payable at Lead rates by Mechanical means including loading and unloading. From 0.00 to 2.00km Qty Same as Item No. I @Rs 62.61/-					445.89 Cum Rs	27917.00
						TOTAL	3680649.00

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೈಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೈಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CERTIFICATES:						
	1. The contractor has done the work satisfactorily.						
	2. There is no any departmental issues to the contractor.						
	3. The contractor has removed debries from the workplace.						
	15/11/18						
	15/11/2018						

M. A. R.
Measu

...rial No. ... ... From.....
...me of Work .....
...me of Contractor of nature of Agency .....
...te of commencement of work .....

...ate	Full description, etc, of work	Number
	2	3
	15/11/18	

Ambedka

INDEX
REC DRAW
SERMORAIN

OOK

Depth 6	Contents 7	Reference to last Measurement 8
		rk satisfactorily.
		ues to the contractor.
		from the workplace.
		15/11/2018

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355108

erial No. ...

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

ate	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		

15/11/18

Ambedkar colony main Road

INDEX
RCC DRAIN
S.S DRAIN
CULVERT

Dasohalli Main Road

15/11/2018